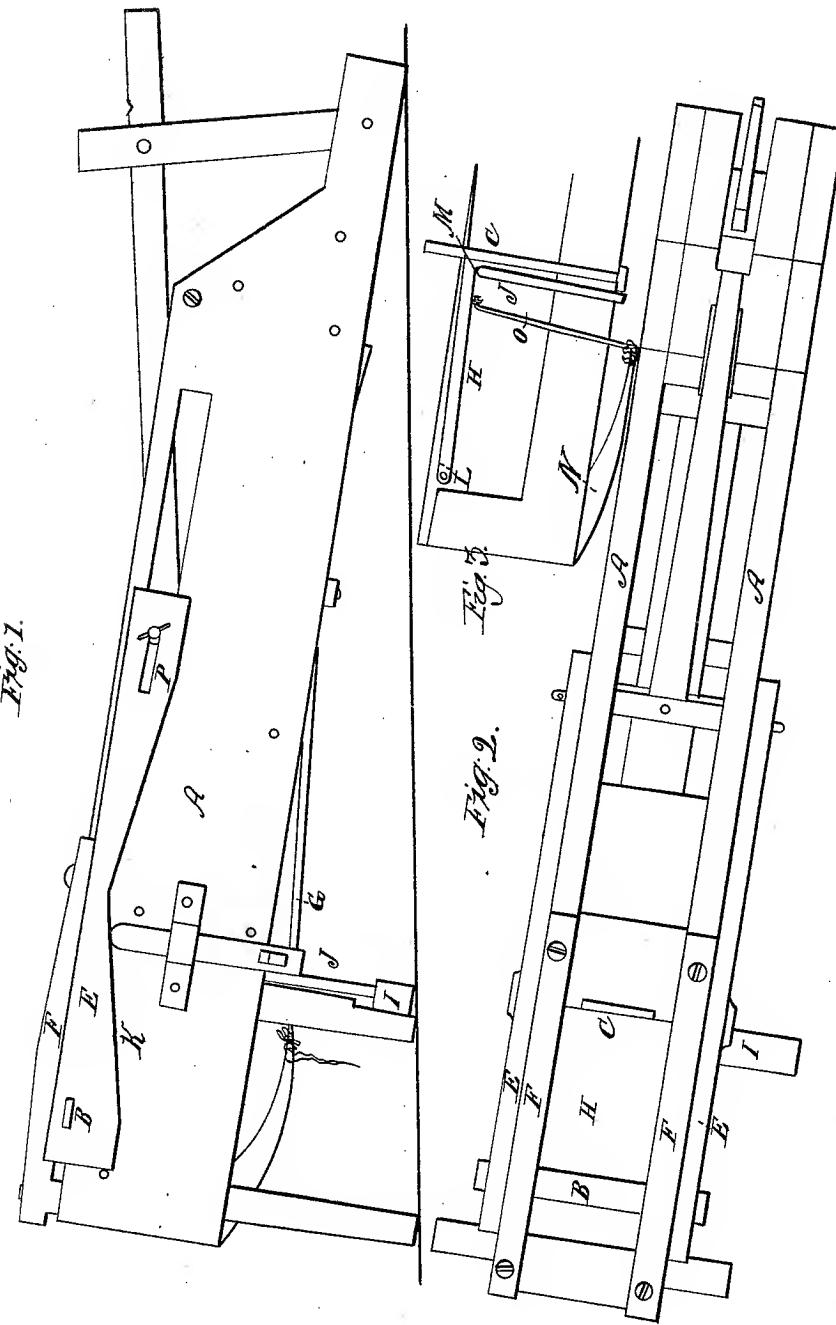


No 452.

A. H. Akin,

Cutting Shingles.

Patented Nov. 4, 1837.



UNITED STATES PATENT OFFICE.

AARON H. AKIN, OF SPARTA, PENNSYLVANIA.

MACHINE FOR SHAVING SHINGLES.

Specification of Letters Patent No. 452, dated November 4, 1837.

To all whom it may concern:

Be it known that I, AARON H. AKIN, of Sparta township, in the county of Crawford and Commonwealth of Pennsylvania, have invented a new and useful Machine for Shaving Shingles; and I hereby declare that the following is a full and exact description of the same.

The nature of my invention consists in a block or bench of wood A with one end raised to an elevation of about forty-five degrees above a horizontal line, upon uprights or legs; of a width from 9 to 18 inches, inclosed by a plank on either side, over which bench and upon the top of the said plank a large knife B, permanently fixed or framed into side arms E, attached to the extreme ends of the shanks of the said knife, playing upon the outsides of the machine the said knife is fixed down by cap pieces F, screwed down directly over the shanks, by bolts through the cap pieces into the edges of the said plank below, leaving a space between the cap pieces, and the aforesaid side plank, for the knife attached as aforesaid to ply backward and forward in a horizontal direction. The tip of the shingle is kept firm against a post or upright C called a sliding post, which holds the shingle to its place, while by the horizontal motion of the arms, the knife is drawn rapidly over the shingle, which said post is forced downward, by the power of the wedge K contained in the construction, and motion of the side arms—and upward by means of a spring G attached to the under side of the block, not only holding the shingle stationary but also serves by the means of the friction acquired at the end next the aforesaid post, to keep it down

to the block or bench aforesaid, so that the knife in passing over the shingle as aforesaid will not be drawn transversely against the shingle so as to cut off the top end or damage it, but press the same firmly down and pass over it leaving it the proper thickness with the usual variation, &c.

That part H of the top or bench on which the shingle rests is constructed by having the part L Figure 3 hinged, and the other end M resting on a rod J which is connected with one end of the treadle or lever I, it is forced upward by placing the foot upon the other end of the treadle and lowering the shingle at pleasure until the shingle is reduced to a proper thickness and grade. The under side of the bed is connected with the spring N by a cord O. The side arms before mentioned into which the shanks of the knife are made fast and at the other end long mortises or spaces P are made in the side plank, into which the roller of the pitman plays, producing a pause in the motion of the knife at each time the roller circumvolves sufficient to give time for the person feeding or attending said machine to put in or take out the shingle, and to the pitman the power is to be applied, and that power may be either steam, water or manual.

The invention claimed consists in—

The hinged top of the bench as above described in combination with the other parts of the machine.

AARON H. AKIN.

Witnesses:

CARTAR GRAHAM,
MOSES A. CHIDESTER,
E. D. GUNNISON.